

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SG 2004/000021

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: H04J 13/02, 13/04, 13/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: H04J 13/02, 13/04Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
IEEE-XPLOREElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPODOC, PAJ, WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 532 250 B1 (T. PALENIUS et al.) 11 March 2003 (11.03.2003) <i>abstract, column 1, line 15 to column 3, line 55, claims, figures 1-6.</i>	1, 18, 27, 31, 36
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A	US 2002/0126741 A1 (K. BAUM et al.) 12 September 2002 (12.09.2002) <i>abstract, [0003] - [0007], claims 1-3, 13, 48, figure 1.</i>	1, 8, 11, 27, 28, 31, 36, 43, 54
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search  
11 April 2005 (11.04.2005)Date of mailing of the international search report  
21 April 2005 (21.04.2005)Name and mailing address of the ISA/ AT  
**Austrian Patent Office**  
Dresdner Straße 87, A-1200 ViennaAuthorized officer  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Proceedings of the IEEE Wireless Communications and Networking Conference, March 2002, K. YANG et al: "Multistage Interference Cancellation with Frequency Domain Equalization for Uplink Transmission of Single Carrier Cyclic Prefix Assisted CDMA System", pages 585 to 590 <i>the whole document.</i>	1, 8, 27, 31, 36, 43
A	— H. ATARASHI et al.: "Broadband packet wireless access based on VASF-OFCDM and MC/DS-CDMA" Proceedings of the 13th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, Vol. 3, pages 992 to 997, 2002 <i>Whole document</i>	1,18,27,31,36
A	— S. TSUMARA et al.: Design and Performance of Quasi-Synchronous Multi-Carrier CDMA System" Proceedings of the 54th IEEE Vehicular Technology Conference, VTC 2001 Fall, Vol.2, pages 843 to 847, 2001 <i>the whole document.</i>	1, 27, 31, 36
A	— R. MORRISON et al.: "On the Use of Cyclic Extension in OFDM" Proceedings of the 54th IEEE Vehicular Technology Conference, VTC 2001 Fall, Vol.2, pages 664 to 668, 2001 <i>the whole document.</i>	1, 27, 31, 36
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information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
A			none	
US	A	20020126	none	
		741	none	